

Translation of 2 pages of German Office Action

The following references are cited for the first time in this Office Action  
(numbering also applies to future proceedings):

- 1) EP 1039636 A1
- 2) DE 19743663 A1
- 3) DE 19842421 A1
- 4) FLIEGE, N.: Multi-Rate Signal Processing: Theory and Applications. Stuttgart:  
Teubner Publishing House, 1993, pages 70-75, 124-140
- 5) EP 665545 A2 (acknowledged in application)

I.

Claim 1 cannot be allowed for formal reasons. To emphasize the individual features of the subject matter of claim 1, it is necessary to indent the lines 8, 12, 17 and 22 on page 11 of the original documents and to provide these with a dash (as in claim 6 on page 12, line 38 and on page 13, lines 3, 10 and 18).

II.

Besides reference (5), acknowledged by the applicant, references (1) to (4) are also considered for the prior art. However, they do not oppose the subject matter in claims 1 and 6 so as to hinder a patent granting.

Reference (1) describes an arrangement for converting the scanning rate, which comprises three interpolating stages 22, 24 and 26, wherein the scanning rate increase in the first stage is relatively low (compare Figure 2 and lines 1-27 on page 4). As a result, the first stage could also be realized with a mid-band filter (compare lines 14-21 on page 7). With the embodiment according to Figure 4, stage 1 is formed with two polyphase

filters 50, 52, stage 2 is formed with polyphase filters 60, 62, ..., 66 and stage 3 with polyphase filters 70, 72, ..., 76 (compare also lines 3-15 on page 8).

Reference (2) proposes a mid-band interpolation filter (compare Figure 2; lines 7-29 on page 4) characterized by two polyphases 113 and 114. At the filter output, a multiplexer 130 scans the two polyphases 113 and 114 and emits the output signal 112.

Reference (3) proposes a linear interpolation filter (compare Figure 4; lines 45-66 on page 3).

The person skilled in the art knows from the technical literature (4) that mid-band filters are frequently used for the interpolation (compare Chapter 2.6; pages 70-75 therein). Also described is the interpolation with polyphase filters (compare pages 124-140).

### III.

Given the present documents, the prospect of a patent granting cannot be held out.

For a better chance to obtain a patent, applicant is encouraged to submit a new main claim, changed in accordance with the explanations provided in Section I, wherein two formal copies must be submitted.

Finally, the prior art according to references (1) to (4) must also be acknowledged in the Introductory Section to the Specification. We ask for replacement and/or or supplemental pages.

If no comments are intended, we ask for a formal acknowledgement of this Office Action.

We also point out the printed preliminary comments to this action.

Examination Office for Class H03H

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Enclosures: respectively two copies of references (1) to (4)